OPPO

DVD PLAYER

DVD-DL317

USER MANUAL

READ CAREFULLY
BEFORE OPERATION

Danger Symbol

Reminding the user of the dangerous voltage!

Warning Symbol

Reminding the user of the important instructions for operation and maintenance.

WARNING:

To prevent the risk of fire or electric shock, do not expose this unit to rain or moisture.
High voltage components in it so do not attempt to open the enclosure. Only qualified personnel
are allowed for maintenance.

CAUTION:

- This DVD player contains laser system.
- Read this manual carefully and get familiar with the instructions before operating.
- After reading this manual, please keep it for future reference. Please contact your local dealer or our technical service center for maintenance.
- To prevent direct laser radiation, do not attempt to open the enclosure. Visible laser beam will radiate when the enclosure is opened or when the interlock device is released. Do not stare at the laser-beam.
- To avoid damaging the loader of the unit, please don't pull or drag the tray of the loader when operating and switch off the power supply only when the "NO DISC" is displayed.
- Never place other things or articles upon the player, otherwise it may cause improper playback.

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All images in this manual are sketch illustrations for reference only. The actual displays are contingent upon discs.

CONTENTS

Brief Introduction to DVD

DVD is well known for its extraordinarily large capacity and outstanding audio-video effects. Its capacity is as high as 4.7-17 GB (approximately 7-26 times the CD capacity).With 500-line horizontal resolution of picture and Dolby Digital 5.1 Channel surround sound, it brings a new era to the household AV products.

■ Comparison Between DVD and Other Discs

	DVD				LD	Super VCD	VCD	CD	CDROM
Recording Method	Digital/MPEG2				Analog	Digital/MPEG2	Digital/MPEG1	Digital	Digital
Capacity	Single-sided 1 layer 4.7G	Single-sided 2 layers 8.5G	Double-sided 1 layer 9.4G	Double-sided 2 layers 17G		650MB	650MB	650MB	650MB
Playback time	133min.	242min.	266min.	484min.	1 side 60min. 2 sides 120min.	45min.	74min.	74min.	
Disc Diameter	12cm/8cm				30cm/20cm	12cm/8cm	12cm/8cm	12cm/8cm	12cm/8cm
Horizontal Resolution	500 lines or more				430 lines or more	350 lines or more	250 lines or more		
Aspect Ratio	Multiple				One				
Subtitle	32 types				Max. 16 types				
Audio	Dolby Digital/Linear PCM				Linear PCM FM modulation			Linear PCM	
Sound Quality	48kHz,96kHz/16,20,24bit				44.1kHz/16bit		44.1kHz	44.1kHz/16bit	

■ Function Introduction

- Multiple languages and subtitles

  DVD disc can support as many as 8 dubbing languages and 32 subtitle languages.

- Multiple angles

  DVD disc may support as many as 9 camera angles.

- Multiple story plots

  User can select to play the desired plots (the beginning, development or ending) of the same disc.

- Multiple aspect ratios

  Multiple aspect ratios support various TV screens.

Disc Pictures	TV Screen		
	4:3		16:9
	Pan-Scan	Letterbox	
4:3			
16:9			

PREFACE

Cautions

- Please remove the power plug from the socket when you are not going to use the player for a long time.
- Ensure that all wires and the power supply are properly connected befor turning the Power on.
- The player uses the switching power supply .The range of the power supply: AC 110V~250V, 50/60HZ.
- Before turning on the power of the player, please adjust the volume level knob of audio system speakers and amp-lifiers to minimum. Adjust the volume as necessary only after starting normal playback to avoid damage to your amplifiers or speakers.
- Do not put your player near any high power speaker or put both on the same table-board so as to avoid any influence on its nomal operation due to vibration.
- Please put the player at a dry and ventilated area. Do not put it near heat source, or expose it to direct sunlight, me-chanical vibration, humidity or dust-rich environment ,and also do not put it over heat releasing substances.
- When moving the player from a cold place to a warm one, or vice versa, the laser head may have condensation. Then the player will not work properly. In such a case, please turn the power on for 1-2 hours(without disc) before playing.
- It is allowed to use a small amount of neutral detergent to clean the player. Never use sandpaper or organic solvent such as alcohol or gasoline for cleaning.
- Do not place objects full of liquid such as vase on the player.

Features

This player has employed the new generation DV decode chip with built-in Dolby Digital decoder which will bring you to a brand-new AV ententainment world. The 2-laser super error-correction mechanism supports CD-R.

Brand-new AV Effects

1. Compatible with DivX, MPEG4 discs to produce wonderful pictures.
2. 108MHz/12bit video DAC, with more vivid and brilliant pictures.
3. Progressive-scan video outputs to eliminate the flickers hardly overcome by interlacing scan and therefore your eyesight will be well-protected. At the same time, the pictures definition is sharply enhanced and the pictures will be finer, smoother and stabler
4. Brightness, chroma and contrast adjustment functions to render your eyes more comfortable.
5. Composite Video, S-Video and Component Video outputs.
6. Bullt-in Dolby Digital decoder, separate 5.1Ch Outputs.
7. Dolby output for 2channel(DOWNMIX)
8. DVD-Audio decoding output to reproduce original and realistic sound effects.

High Quality Digital Audio

1. Optical and coaxial outputs for Digital audio.
2. Dolby Digital, PCM Digital audio outputs to satisfy the Fans' acoustic requirements.

Many Convenient Features

1. Screen saver protects your TV set carefully.
2. The novel Mp3 playback window GUI provides you a new way to appreciate Mp3 music.
3. Multi-angle playback function makes it possible for you to view a scene from different camera angles.
4. It's possible to select the desired beginning, development and ending of a story.
5. Direct entry into desired scenes(title/chapter/time/track search).
6. Zooming function to zoom up any playing picture.
7. Capable of playing PAL/NTSC discs.
8. Multiple aspect ratios to fit TV sets of various screen ratios.
9. Parental lock function to prevent children from watching unsuitable discs.
10. Multiple dubbing languages and subtitle languages bring you the best entertainment status all the time.

Super Compatibility with super VCD, VCD, CD, CD-R , MP3,HDCD, KODAK PICTURE CD etc.

NOTE: DivX version is still upgrading continuously and the latest version of this unit is DivX 5.1. Some discs labelled with MPEG4 on the market actually are*.rm/*.ram/*.rmm and others which are imcompatible. Please take care when buying discs.

Compatible Dise Types

Types	Sizes	Recorded Contents
DVD VIDEO	12cm or 8cm	DVD: Compressed digital audio + compressed digital video(dynamic picture)
SVCD	12cm or 8cm	Super VCD: Compressed digital audio + compressed digital video(dynamic picture)
MPEG4	12cm	MPEG4: Compressed digital audio + compressed digital video(dynamic picture)
disc COMPACT DIGITAL VIDEO	12cm or 8cm	VIDEO CD: Compressed digital audio + compressed digital video(dynamic picture)
disc COMPACT DIGITAL AUDIO	12cm or 8cm	CD-DA: Digital audio
MP3	12cm	Mp3: Compressed digital audio
DVD AUDIO	12cm or 8cm	DVD: Compressed digital audio + compressed digital video(still picture)

NOTES

❶ When the button is invalid, on TV screen display:

⊘

● Press the effective button again.

❷ Issues related to DVD MPEG4 Super VCD VCD CD MP3

These icons on the top banner indicate the disc types that the function described in this section applies to.

DVD — Applies to DVD disc

MPEG4 — Applies to Super MPEG4 disc

Super VCD — Applies to Super VCD disc

VCD — Applies to VCD disc

CD — Applies to CD disc

MP3 — Applies to MP3 disc

Control Button Locations and Explanations

■ **Front Panel Illustration**
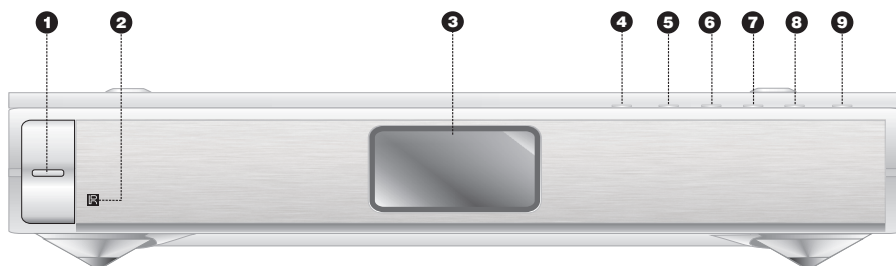
❶ Power indicator ❹ OPEN/CLOSE button ❼ PREV button

❷ IR SENSOR ❺ PLAY/PAUSE button ❽ NEXT button

❸ Display window ❻ STOP button ❾ POWER switch

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PREFACE

Control Button Locations and Explanations (Continued)

■ Rear Panel Illustration

❶ Headphone jack

❷ 5.1CH Audio Out jacks
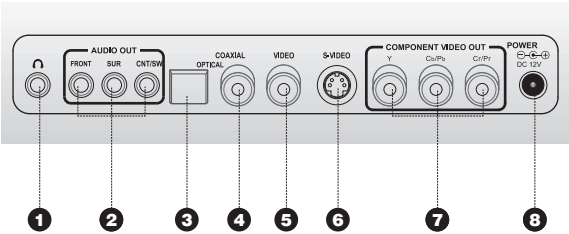
❸ Digital Audio Optical Out jack

❹ Digital Audio Coaxial Out jack

❺ Video Out jack

❻ S-Video

❼ Component Video/ Y Pb Pr Out jacks

❽ Power socket

■ LCD Display Window Illustration
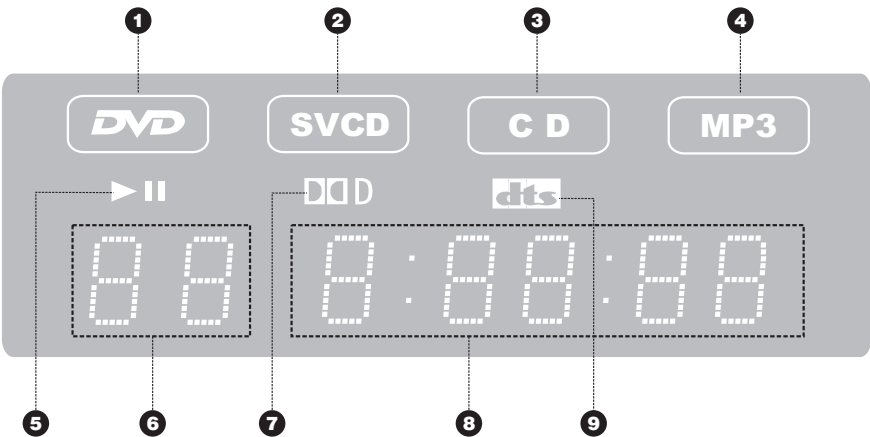
❶ DVD disc

❷ VCD, SVCD disc

❸ CD disc

❹ Mp3 disc

❺ PLAY or PAUSE

❻ Chapter or Track

❼ DOLBY DIGITAL

❽ Playback time

❾ DTS

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PREFACE

Control Button Locations and Explanations (Continued)

■ Remote Control illustration

① **STANDBY** Button
Press once to standby, Press twice to play.

② **AUDIO** Button
Change the audio language or audio channel.

③ **GOTO** button
Play from the desired location.

④ **ZOOM** Button
Zoom in/out the displayed frame.

⑤ **ANGLE** Button
Change camera angles,MP3/JPEG playback modes switch.

⑥ **MUTE** button
Press once to mute, twice to unmute.

⑦ **INFO** button
Browse the disc's information.

⑧ **CURSOR** Buttons

⑨ **SELECT** Button

⑩ **SETUP** Button
Function setup.

⑪ **PLAY** Button
Normal playback.

⑫ **STOP** Button
Stop playback.

⑬ **REV** Button
Fast backward play.

⑭ **FWD** Button
Fast forward play.

⑮ **REPEAT** button
Repeat play.

⑯ **A-B** button
Repeat the select.

⑰ **P/N** Button
Switch the TV system between PAL,NTSC and AUTO.

⑱ **KEYBOARD** Button
Open/close the virtual keyboard function.

⑲ **I S** Button
Switch video output to the interlacing mode.

⑳ **PS** Button
Switch video to the progressive YPbPr mode.

㉑ **VOLUME-**
Decrease volume..

㉒ **VOLUME+**
Increase volume.

㉓ **PREV** Button
Skip backward.

㉔ **NEXT** Button
Skip forward.

㉕ **PAUSE** Button
Pause play.

㉖ **SLOW** Button
Slow play.

㉗ **MENU** Button
Display DVD menu or open/close PBC.

㉘ **TITLE** Button
DVD titles..

㉙ **2/5.1CH** Button
Switch stereo and multi-channel.

㉚ **RETURN** Button
Back to the previous menu/Clearing input numbers.

㉛ **PSM** Button
Power Spectrum Meter on/off.

㉜ **OSD** Button
Display or hide disc information.

㉝ **NUMBER** Buttons

㉞ **SUBTITLE** Button
Change subtitle language,Switch JPEG display modes.

㉟ **EJECT** Button
Open or close the disc tray.

5
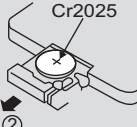
Control Button Locations and Explanations (Continued)

■ **How to Use the Remote Control**

······· Battery Installation ··

Cr2025   Cr2025

①   ②

Step 1: Push the button toward left   Step 2: Pull the battery holder out

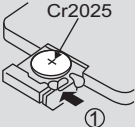······· Using the Remote Control ··

When using the remote control,
the front window of the remote
control should be pointed to the
infrared sensor on the front panel
within an angle of +/- 30 and a
range of 3 metres.

30° 30°

Within about 3m
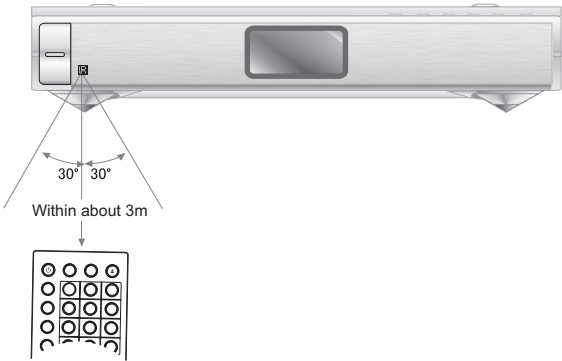
Cautions ··

● Never drop the remote control or expose it to moisture.
● Never expose the infrared remote sensor on the front panel to direct sunlight or
   strong beams.
● When the batteries become low, replace it in time.

Accessories

Audio/Video Cord ·· 1pcs

Remote Control ·· 1pcs

3V Button Battery ··1pcs

User Manual ···1pcs

SYSTEM CONNECTIONS

Connected to TV set with Progressive-scan Video Input

Pr   Pb   Y

Rear Panel

AUDIO OUT   COAXIAL   VIDEO   S-VIDEO   COMPONENT VIDEO OUT   POWER
FRONT SUR CNT/SW   OPTICAL   Cb/Pb Cr/Pr   DC 12V

TV set with progressive-scan
video input

Audio Cord

Audio In
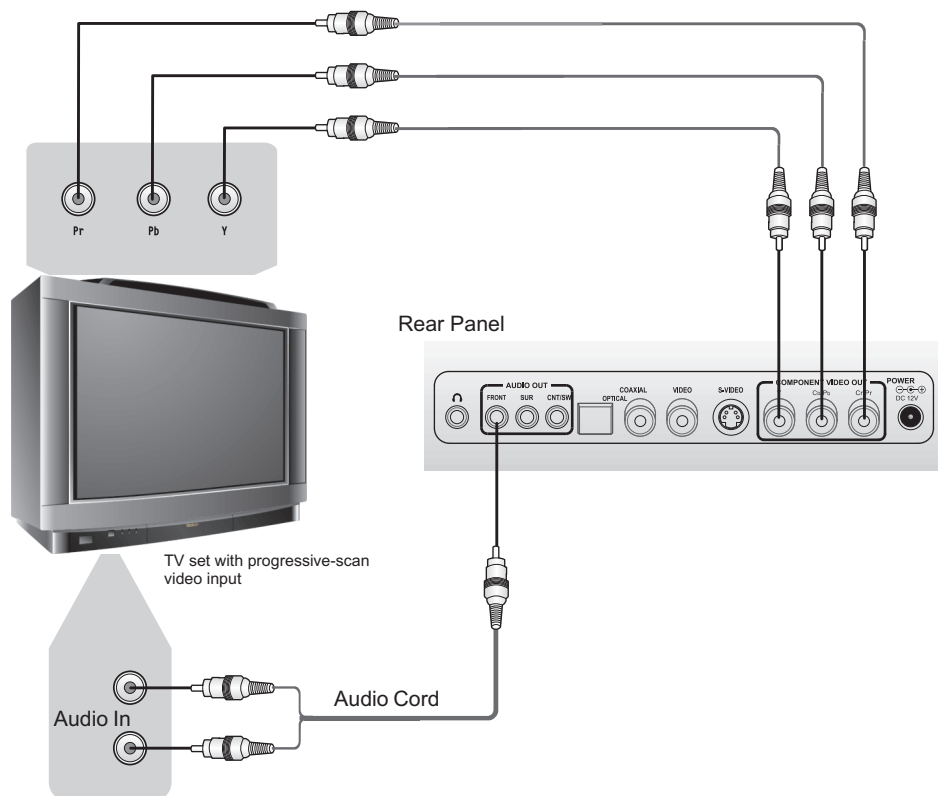
- If you want to enjoy progressive-scan video, please press PS button to switch the player to progressivescan video output mode. In this mode, the interlacing output cannot be used.

- If the progressive-scan TV set has Y, Pb, Pr video inputs, you can use the Y, Pb, Pr outputs of the player. Please press PS button to switch the progressive-scan outputmode into YPbPr when using Y, Pb, Pr outputs.

- If the audio outputs of the player are also connected to the TV set, the L/R channels of the front Audio OUT ought to be connected to the TV AUDIO IN terminals accordingly.

SYSTEM CONNECTIONS

Connect to TV set
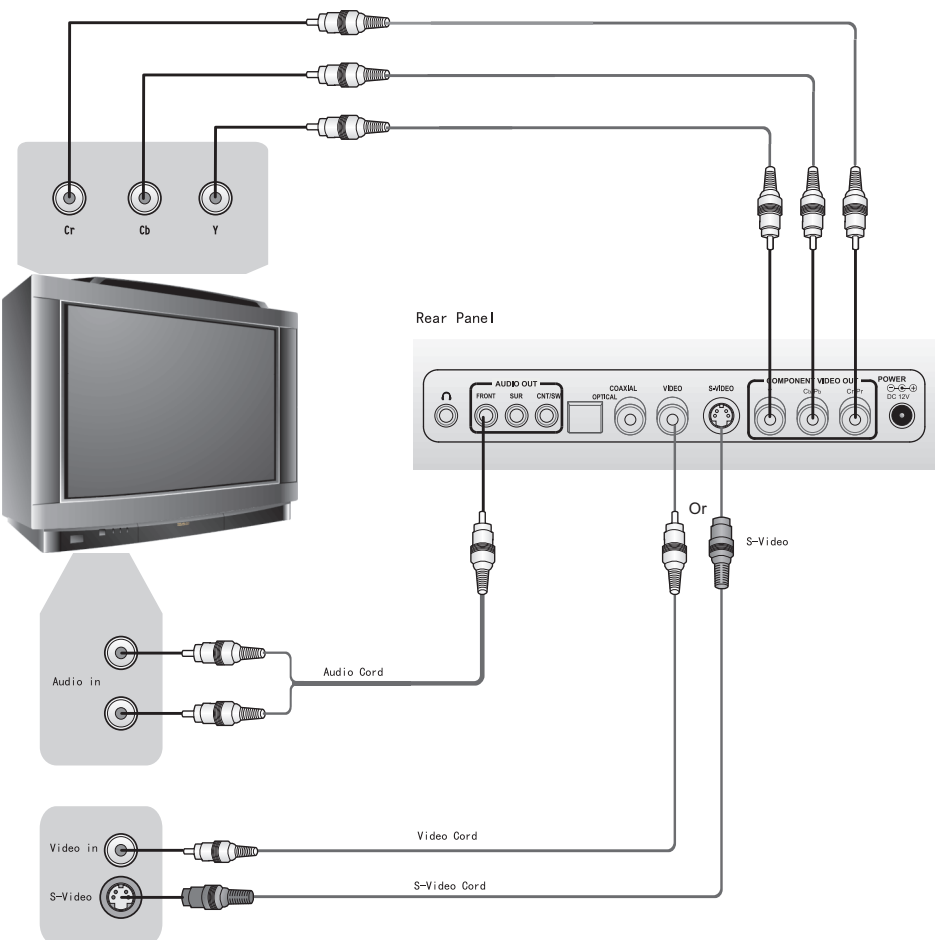
- To enjoy the interlacing video, press IS button to switch the video of the DVD player into interlacing-scan mode. The progressive-scan outputs cannot be used in the interlacing-scan outputs mode.

- If the TV set has S-Video inputs, an S-Video cord can be used to connect this player with the TV set.

- If the Tv set has component video input, the component video output of this DVD player can be used.

- Please press 2/5.1CH button to set the stereo, or set the audio output mode in DOLBY STEREO, STEREO, V SURR instead of 5.1CH mode in the speaker settings (please refer to page 22 for details).

- If the AUDIO OUT of this player is also connected to the TV set, the L/R channels of the front AUDIO OUT ought to be connected to TV AUDIO IN terminals in the same group with VIDEO IN.

Connected to Ordinary Audio System

Video In

RearPanel

AUDIO OUT
FRONT SUR CNT/SW
COAXIAL OPTICAL   VIDEO   S-VIDEO
COMPONENT VIDEO OUT
Y   Cb/Pb   Cr/Pr
POWER
DC 12V

Audio In

Audio Cord

Amplifier equipped with Dolby Pro Logic Surround

Centre Speaker

Front Left Speaker

Front Right Speaker

Subwoofer

Surround Left Speaker

Surround Right Speaker
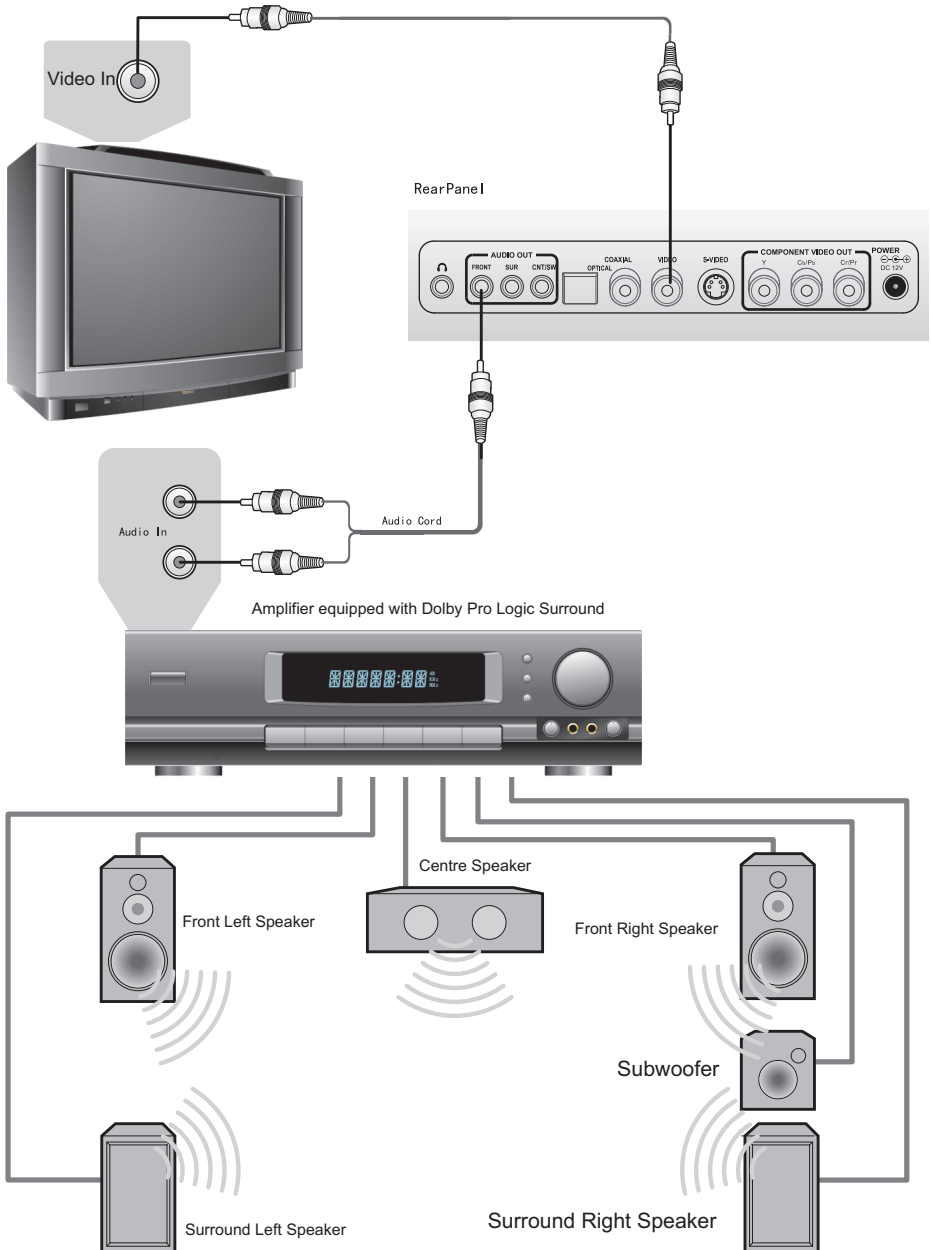
- When set the speakers, please set the AUDIO OUT mode to STEREO (please refer to page 22 for details).

SYSTEM CONNECTIONS

Connected to Amplifier with Dolby Digital Decoder
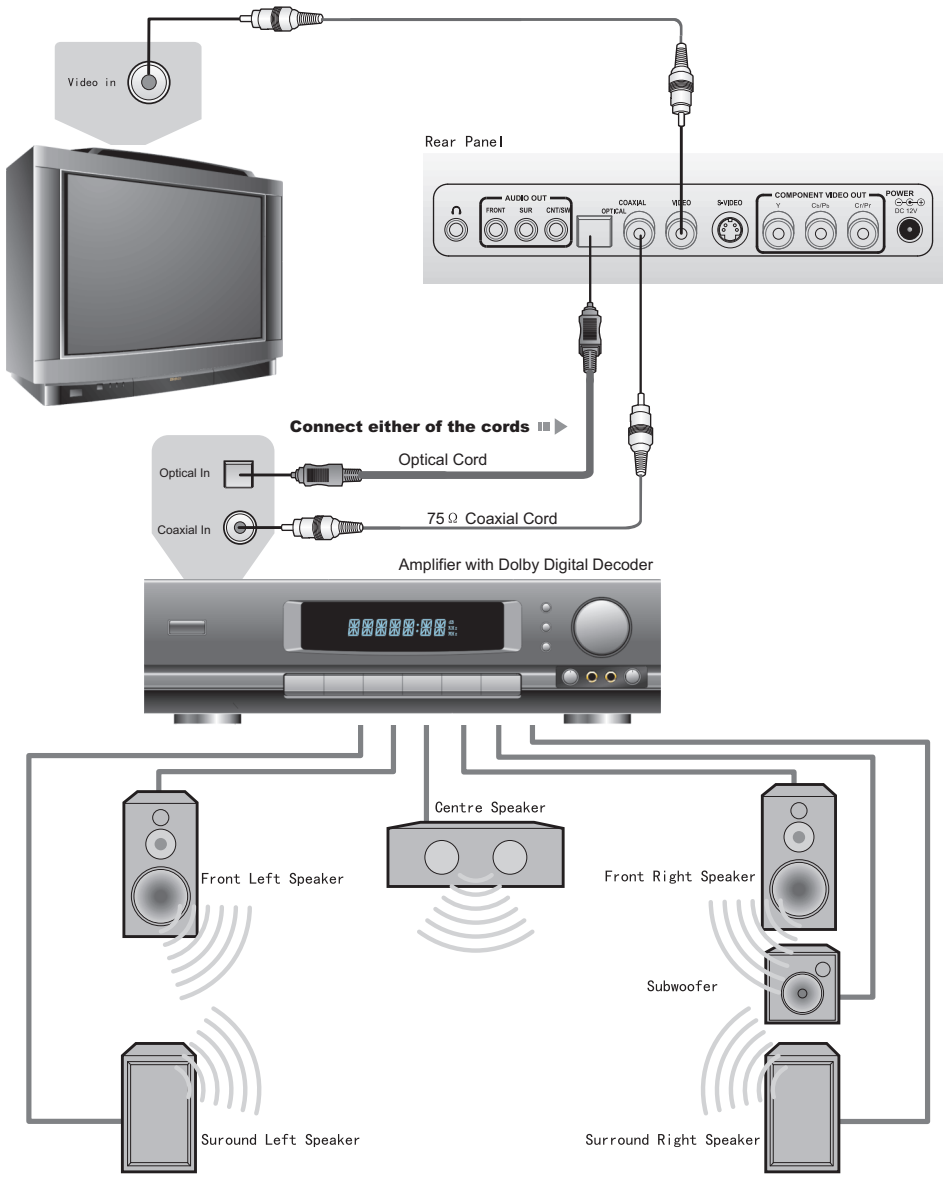
Video in

Rear Panel

AUDIO OUT
FRONT SUR CNT/SW
COAXIAL
OPTICAL
VIDEO
S-VIDEO
COMPONENT VIDEO OUT
Y Cb/Pb Cr/Pr
POWER
DC 12V

Connect either of the cords

Optical In

Optical Cord

Coaxial In

75 Ω Coaxial Cord

Amplifier with Dolby Digital Decoder

Centre Speaker

Front Left Speaker

Front Right Speaker

Subwoofer

Suround Left Speaker

Surround Right Speaker

10

Connected to Amplifier with DTS Digital Deconder

Video in

Rear Panel

AUDIO OUT
FRONT   SUR   CNT/SW
COAXIAL
OPTICAL
VIDEO
S-VIDEO
COMPONENT VIDEO OUT
Y   Cb/Pb   Cr/Pr
POWER
DC 12V

Connect either of the cords ▐▶

Optical In — Optical Cord

Coaxial In — 75 Ω Coaxial Cord

Amplifier with DTS Digital Decoder

Center Speaker

Front Left Speaker

Front Right Speaker

Subwoofer

Surround Left Speaker

Surround Right Speaker

"DTS" and "DTS Digital Out" are the trademarks of Digital Theater Systems, Inc.

Connected to Amplifier with 5.1CH Audio Input

Rear Panel

❶ The white refers to front left.

❷ The red refers to front right.

❸ The white refers to surround left.

❹ The red refers to surround right.

❺ The red refers to subwoofer.

❻ The white refers to centre.

Amplifier with 5.1CH Audio input

Centre Speaker

Front Left Speaker

Front Right Speaker

Subwoofer

Suround Left Speaker

Surround Right Speaker

Video In
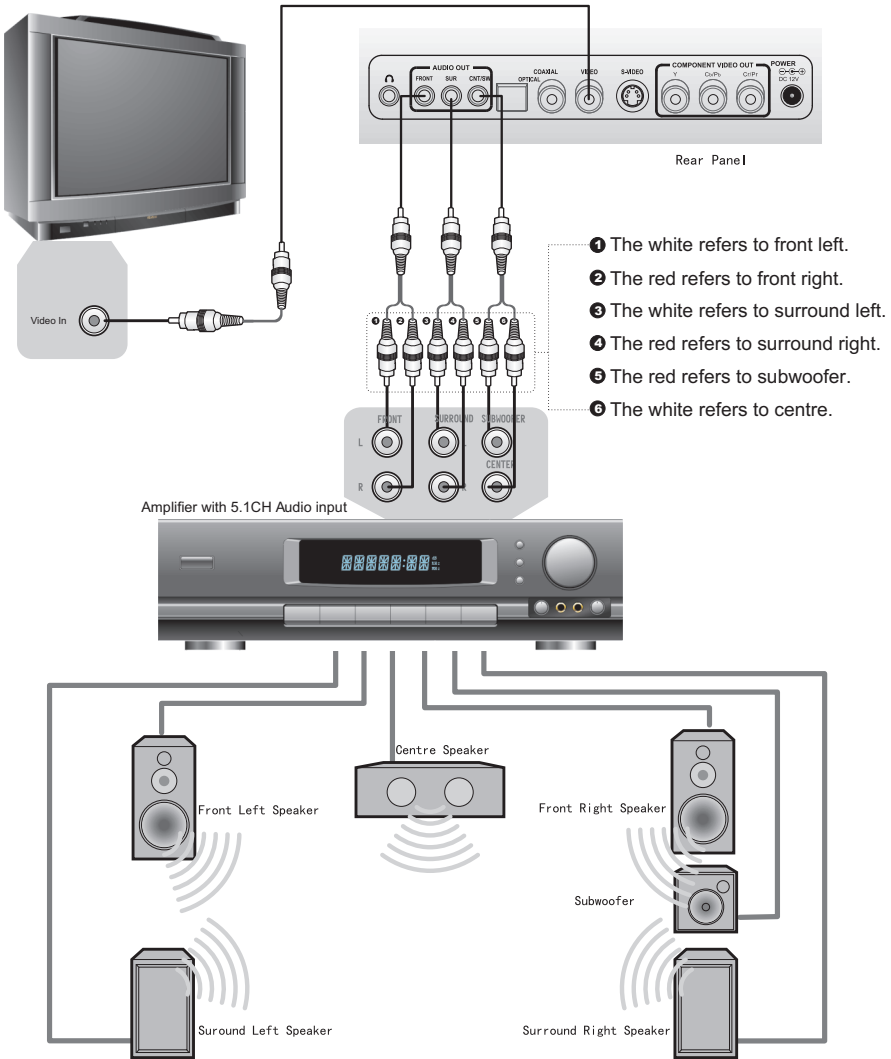
- Built-in Dolby Digital decoder makes it possible to play the DVD discs recorded with Dolby Digital surround technology. If the DVD player is connected to AV amplifier with 5.1CH inputs and plays the discs recorded with Dolby Digital surround, you may enjoy the same audio and video effect as that inthe theatre when you are at home.

- Press 2/5.1CH button to set 5.1CH, or set the audio output mode to 5.1CH in the speaker settings. Set the corresponding channel of any connected speaker not in use as OFF. (Please refer to page 22 forDetails)

- Distance between the surround speakers and the listener should not be shorter than that between the Front speakers and the listener.

BASIC OPERATION

Playback

DVD MPEG4 SVCD VCD CD MP3

1. Connect the DC output socket of the power adaptor with the power input jack of the player to turn on working power supply
2. Press OPEN/CLOSE button to open the disc tray.
● Disc tray ejects automatically, and then place the disc with the label side facing up.
3. Press OPEN/CLOSE button again and the disc retracts.
● The player begins to read the disc information.
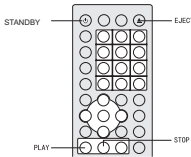
4. Press PLAY button and playback automatically begins.
5. Press STOP button to stop playback.
● Press STOP button for the first time and the player enters pre-stop status. Now if you press PLAY button, the player continues to play from the stopped point; press STOP button again and the player enter the stop status.
● When playing MP3 discs, press STOP button to enter stop mode directly.
6. Press STANDBY button to enter standby mode when finish playing. Please pull out the power adaptor plug from the power source outlet if you do not intend to usethis player for an extended period of time.

Progressive/Interlacing OutputMode

● You can adjust this player's video output mode according to TV settings.
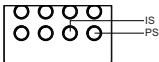
1. Press the IS button.
● Press IS to switch the video to the interlacing scan output mode.

2. Press the PS button.
● Press PS to switch the video to the Y Pb Pr mode.

TV System Selection

DVD MPEG4 SVCD VCD CD MP3

● Set the system of this player according to the connected TV set system in order to match to the TV set.
1. Press P/N button to select PAL system if the system of TV set is PAL. The TV screen displays:

PAL

2. Press P/N button to select NTSC system if the system of TV set is NTSC. The TV screen displays:

NTSC

3. Press P/N button to set automatic system when using multi-system TV set. The TV screen displays:

AUTO

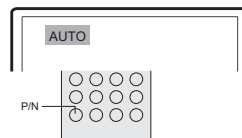## Pause/Step Playback

DVD   MPEG4   SVCD   VCD   CD   MP3

1. Press PAUSE button in playback status.
- Press PAUSE button once to pause playback. The TV screen displays:

2. Press PAUSE button in pause mode to realize step playback function. Each press moves one frame forward. The TV screen displays:

PLAY ———   ——— PAUSE
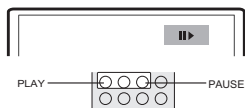
- No step playback function available when playing CD or MP3 discs.
3. Press PLAY button to restore playback.

NOTES

- When you set the screen saver mode to ON (See Page 21 for details), the display on TV screen turns to screen saver status after the picture on TV screen keep still for about 2 minutes (in mode such as pause mode, stop mode, menu select, set up menu, no disc mode and so on).

OSD

DVD   SVCD   VCD   CD

1. Press OSD button.
- Disc information and operation function hint will display on TV screen when in operation.
- Press OSD button to display the following function:

——— OSD

DVD disc:

TITLE ELAPSED
TT××/×× CH××/×× ×:××:×× → TITLE REMAIN
×:××:××

DISPLAY OFF ← CHAPTER REMAIN
×:××:×× ← CHAPTER ELAPSED
×:××:××

SVCD, VCD, CD discs:

SINGLE ELAPSED
TRACK××/×× ××:×× → SINGLE REMAIN
××:×× → TOTAL ELAPSED
××:××

DISPLAY OFF ← TOTAL REMAIN
××:××

Volume Control

DVD   MPEG4   SVCD   VCD   CD   MP3
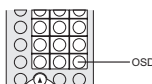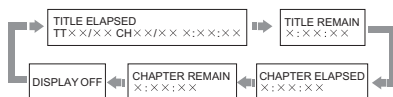
1. Press VOLUME button on TV set or Amplifier to adjust volume.

——— VOL -
——— VOL +
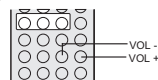
2. Press VOLUME button on the remote control of this unit.
- Press VOL+ button to increase volume.
- Press VOL- button to decrease volume.
- The maximum volume is 20.

DVD Menu Playback

DVD

- Some DVD discs are made with title menu or chapter menu function.

1. Press MENU button to display menu on TV screen for selection. Operate according to the hint of menu and press number buttons to select.

ROOT MENU 1.......
           2.......
           3.......

2. Press CURSOR button to select the track you desired, and then press PLAY or SELECT button.

——— NUMBER
CURSOR ——— ——— SELECT
——— TITLE
PLAY ——— ——— MENU
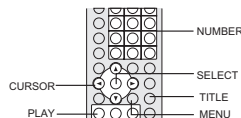
NOTES

- Press TITLE button the first time to return to title menu.
- Press MENU button the first time to return to initial menu.
- The return location varies with discs.

PBC Playback

SVCD   VCD

- You can enjoy the menu playback alternate] function when playing SVCD, VCD 2.0 discs with menu playback function. In the setup menu, you can set the menu playback mode and select menu playback or sequence playback. Please refer to page 24 for details.

For example: Play VCD2.0 disc.

1. Main menu displays on TV screen.

1.......
2.......
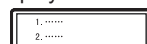
- Press number buttons to select. For example: press number button 1 to select main menu 1.

1.......
2.......

BASIC OPERATIONS

2. Submenu displays on TV screen after entering into main menu 1.

```
1.......
2.......
3.......
4.......
5.......
```
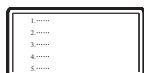
3. Press NEXT or PREV button to turn to adjacent page.

4. Press NUMBER buttons to select in submenu. For instance, press number 5 and the player begins to play the fifth track.

```
1.......
2.......
3.......
4.......
5.......
```

5. Press TITLE button to return main menu when in menu playback.

6. Press MENU button to realize sequence playback function when in menu playback; press MENU button to realize menu playback function when in sequence playback.

7.Press RETURN button to submenu.Press again to return to main menu.

NUMBER

MENU
PLAY
PREV
NEXT
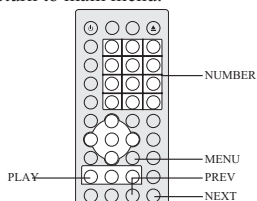
Direct Selection Playback Function by Number Button

DVD MPEG4 SVCD VCD CD

1. Input disc, after the player begins reading, press number buttons to select track for playback.

● Press the number buttons 1-9 directly to select the according track if the track number is below 10.

For example, select the track 7:

7

● Press the +10 button and then the number buttons 0-9 to select the according track if the track number is above 10 (including 10). For example, select the track 16:

10 + 6

+10   6

● Press the +10 button twice and then press the number buttons 0-9 to select the according track if the track number is above 20 (including 20). The rest can be performed by analogy.

NUMBER
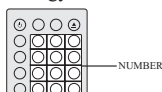
Language/Audio Channel Selection

DVD SVCD VCD CD

1. Press AUDIO button.

● You may select the language you desire when playing multi-language DVD, SVCD discs.

DVD disc:

AUDIO   1/2:   ⫿D   ➡   AUDIO   2/2:   ⫿D

SVCD disc:

AUDIO 1 ◀▮▶ AUDIO 2
AUDIO 4 ▮◀ AUDIO 3 ▮◀▮

● You may select audio output from left or right channel or stereo audio output when playing multi-channel CD or VCD discs.
For example: to VCD disc, dubbing is recorded in left audio channel and singing in right audio channel, you can select left channel for dubbing

VCD, CD discs:

LEFT MONO ▮◀▮▶ RIGHT MONO
STEREO ◀▮
AUDIO
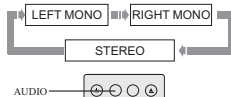
● Language kinds varies with different disc recording.
● To dual-language VCD disc, you may press AUDIO button to select your desired language.
● When playing some DVD discs, pressing AUDIO button may result in playing the track from its beginning.

MUTE

DVD MPEG4 SVCD VCD CD MP3

● When playing discs, mute function can be used to switch off audio output.

1. MUTE

● Press MUTE button and the word MUTE displays on TV screen.

MUTE

2. Resume audio output.

● * Press MUTE button again to unmute.

MUTE OFF
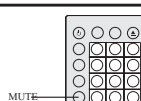
MUTE

● Press MUTE button when the player has not audio output.

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Fast Playback

DVD MPEG4 SVCD VCD CD

●You can select forward or reward playback to search the point you desire when playing discs.

1. Press Forward button and the player starts forward playback.

●Each press of FWD button switches the playback speed of DVD, SVCD, VCD and CD discs in the following sequence circularly:

▶▶ 2X ➡ ▶▶ 4X ➡ ▶▶ 8X
▶ ◀ ▶▶ 32X ◀ ▶▶ 16X ◀

2. Press REV button and the player starts reward playback.

●Each press of REV button switches the playback speed of DVD, SVCD, VCD and CD discs in the following sequence circularly.

◀◀ 2X ➡ ◀◀ 4X ➡ ◀◀ 8X
▶ ◀ ◀◀ 32X ◀ ◀◀ 16X ◀

FWD
REV

Repeat Playback

DVD MPEG4 SVCD VCD CD MP3
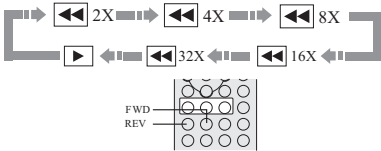
●The repeat function enables a title/chapter/track/disc repeated.

1. Each press of REPEAT button performs different repeat functions.

■DVD disc:

CHAPTER ➡ TITLE ➡ ALL ➡ REPEAT OFF

■ SVCD, VCD and CD discs:

●The repeat playback can be performed to SVCD or VCD2.0 only when the PBC is off and to VCD1.1 or CD whether the PBC is on or off.

TRACK ➡ ALL ➡ REPEAT OFF

●The repeat function is not available for SVCD and VCD2.0 discs when the PBC is on.

■MP3 disc:

SINGLE ➡ REPEAT ONE ➡ REPEAT FOLDER ➡ FOLDER

REPEAT

Repeat the Selected Section

DVD MPEG4 SVCD VCD CD MP3
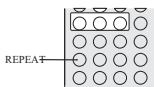
● When playing discs, you may press A-B button to repeat playback of certain section you desire.

1. Under normal playback, press A-B button at the desired point (point A) to set the beginning. TV screen displays:

A

2. Under normal playback, press A-B button at the desired point (point B) to set the ending. TV screen displays:

AB
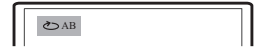
● The player returns to point A automatically to repeat the selected section (A-B).

3. Press A-B button for the third time.

● Normal playback resumes.

A-B
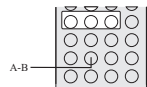
● The A-B repeat function may be not available for some discs.

●Sections can only be selected in the same track in PBC mode.

Slow Playback

DVD Super VCD VCD

● You may enjoy slow playback according to the following step

1.Press SLOW button to turn to slow playback mode, the following displays on TV screen

■ DVD Playback

▶ 1/2 ➡ ▶ 1/4 ➡ ▶ 1/8 ➡ ▶ 1/16
▶ ◀ ◀ 1/16 ◀ 1/8 ◀ 1/4 ◀ 1/2

● When playing a DVD audio disc, the slow function cannot be persormed if you press the slow button. However, when pressing the SLOW button, the screen will show the previous picture provided that the disc supports this function.

● Press PLAY button in slow playback status resumes normal playback.

■ Super VCD, VCD Playback

▶ 1/2 ➡ ▶ 1/4 ➡ ▶ 1/8
▶ ◀ ▶ 1/16 ◀

● Press PLAY button in slow playback status to resume nomal playback.

PLAY —— —— SLOW

PLAY OPERATION

Subtitle Selection

DVD

1. Press SUBTITLE button.
● When playing the DVD disc recorded with subtitles of different languages, it is possible to select different subtitle languages.
● Each press of SUBTITLE button switches one subtitle language and the TV screen displays:

SUBTITLE 01/03 ➡ SUBTITLE 02/03

SUBTITLE OFF ⬅ SUBTITLE 03/03
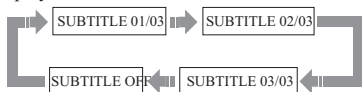
● The number of the switchable subtitle languages varies with discs. DVD disc has 32 selected subtitle language at the most.

SUBTITLE

Angle Selection

DVD

1. Press ANGLE button and the TV screen displays:

▓▓ 1/4

2. Press number buttons to select your desired playback angle.

▓▓ 2/4

⬇

▓▓ 3/4

⬇

▓▓ 4/4

3. Press ANGLE button to select the default angle to resume normal playback.
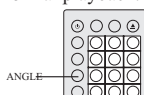
ANGLE

NOTE

● The number of angles varies with different DVD discs. You can change as many as they have.
● This function only applies to the discs recorded with different angles.

Playback from the Desired Point

DVD   *MPEG4*   *SVCD*   *VCD*   *CD*

■ Playing DVD disc

● Input the time, title or chapter directly, the content can be found quickly and played from the selected point.

1. Title, Chapter search. For example: search Chapter 2, Title 6:
● Press GOTO button and the TV screen displays:

TITLE 03/30   CHAPTER ▓ /02
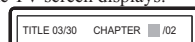
● Press CURSOR button to lighten the title number, as shown in the figure:

TITLE ▓/30   CHAPTER 01/02
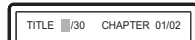
● Press number button 6 to select Title 6, as shown in the figure:

TITLE 06 /30   CHAPTER ▓/02
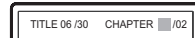
● And then press number button 2 to select Chapter 2, as shown in the figure:

TITLE 06 /30   CHAPTER 02/02

2. Title time search
● Press GOTO button until the TV screen displays the following picture. Then press number buttons to input   hour, minute and second.

TITLE 06/30   TIME : :
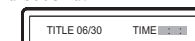
3. Chapter time search
● Press GOTO button until the TV screen displays the following picture. Then press number buttons to input hour, minute and second.

CHAPTER 01/04   TIME : :
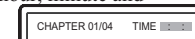
■ Playing SVCD, VCD and CD discs

1. Disc time search
● Press GOTO button until the Tv screen displays the following picture. Then press number buttons to input hour, minute and second.

DISC GOTO --:--

2. Track time search
● Press GOTO button until the TV screen displays the following picture. Then press number buttons to input hour, minute and second.

TRACK GOTO --:--

3. Select a track
● Press GOTO button until the TV screen displays the following picture. Then press number buttons to input the track number.

SELECT TRACK --/15

GOTO

NUMBER

SELECT

CURSOR

17
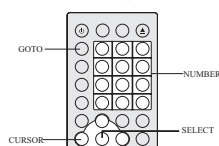
Zooming the Displayed Frame

DVD MPEG4 SVCD VCD

- Capable of zooming in/out a certain dynamic or still frame.
1. Press ZOOM button when playing discs and the TV screen displays:

⟋▪ 2

- The frame is magnified.
2. Press ZOOM button again and the TV screen displays:

⟋▪ 3

- The frame is magnified the second time.
3. Press ZOOM button once again and the TV screen displays:

⟋▪ 4

- The frame is magnified the third time.
4. Press ZOOM the fourth time and the TV screen displays:

⟋▪ 1/2
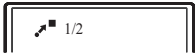
- The frame is minified.
5. Press ZOOM button the fifth time and the TV screen displays:

⟋▪ 1/3
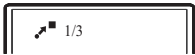
- The frame is minified again.
6. Press ZOOM button the sixth time and the TV screen displays:

⟋▪ 1/4

- The frame is minified the third time.
7. When the frame is magnified, press CURSOR button to move the frame.
- You can enjiy any desired part of the frame.
8. Press ZOOM button again and the frame restores normal size.

ZOOM

CURSOR   SELECT

Power Spectrum Metre (PSM)

DVD SVCD VCD CD
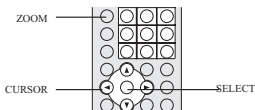
1. Under normal playback, press PSM button to open Power Spectrum Metre.
- The Tv screen displays:

2. Press PSM button again to open the second Power Spectrum Metre.
- the Tv screen displays:

3. Press PSM button the third time to close Power Spectrum Metre.

PSM
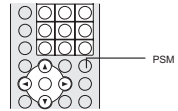
Virtual Keyboard

The brand-new Virtual Keyboard function enables you to perform some easy operations and configurations when enjoying a movie.
1. Under normal playback, press KEYBOARD button and a virtual keyboard will appear on the screen as shown in the figure.
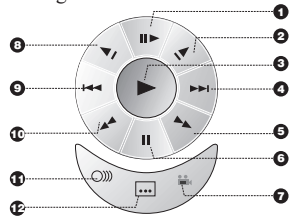
❶ Step	❷ Forward Slow Playback	❸ Play
❹ Next	❺ Fast Forward	❻ Pause
❼ Angle	❽ Reverse Slow Playback	❾ Prev
❿ Fast Reverse	⓫ Audio	⓬ Subtitle

2. Press CURSOR button to select the function you want to perform and then press SELECT button to confirm.
   For example: to select subtitle:
- Press CURSOR button to select the subtitle icon. Each press of SELECT switches the subtitle settings alternately as follows:

SUBTITLE 01/03 ▶ SUBTITLE 02/03
SUBTITLE OFF ◀ SUBTITLE 03/03
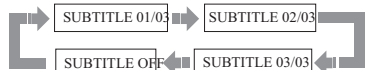
3. Press KEYBOARD button again to exit the virtual keyboard.

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PLAY OPERATION

Disc INFO

The brand-new interface Disc INFO enables you to conveniently perform DVD disc functions of title, chapter, sound, subtitle, angle, title time, chapter time, repeat play and time display; or SVCD, VCD disc functions of track, disc time, track time, repeat play and time display.

For example: Playing DVD:

1. Press INFO button under normal playback and the TV screen displays as follows:

```
         MENU
[DVD]  Title      02/04
VIDEO  Chapter    01/05
       Audio      English
       Subtitle   Off
BITRATE 85 |||||||||  TITLE TIME 0:01:25
```

2. Press UP/BOWN arrows to select the desired time and press ENTRE button to confirm.

For example: press UP/DOWN arrows to select the desired chapter and press ENTRE button to confirm. The TV screen displays as follows:

```
         MENU
[DVD]  Title      02/04
VIDEO  Chapter    _0/05
       Audio      English
       Subtitle   Off
BITRATE 85 |||||||||  TITLE TIME 0:01:25
```

3. Press number buttons or UP/DOWN arrows to select the desired chapter.

For example: press number button 0 and then 4, this player starts playing from the fourth chapter. The TV screen displays as follows:

```
         MENU
[DVD]  Title      02/04
VIDEO  Chapter    04/05
       Audio      English
       Subtitle   Off
BITRATE 85 |||||||||  TITLE TIME 0:30:35
```
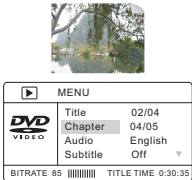
● The input number should be within the optional numbers.

4. Press INFO button to exit the browser interface.

MPEG4,MP3 and JPEG File Playing

MPEG4 is the audio standard publicized by MPEG (Moving Picture Experts Group) in November,1998.As the discrepant parts between frames of picture are only processed and the same parts are deleted,

the data number are greatly decreased. The most distinct feature of MPEG4 is the high compression and clear imaging. Furthermore, MPEG4 provides elastic specifications to adjust the stream according to the used requirements. The larger stream can be used when collecting private films; and the small stream can be used in network transferring, which make MPEG4 use widely.

MP3 utilizes the third layer audio compression mode of the international standard MPEG with the compression ration as 12:1. Employing MP3, one disc can record 600-minute music or 170 songs And the sound quality is the same as CD.

JPEG (Joint Photographic Experts Group) is the most widely used picture compression and storage format today. Utilizing the high efficiency compression algorithm, JPEG compresses the original picture 15 to 20 times with very excellent picture quality. JPEG is featuring small size data, convenient application and supported by most picture processing software, so it is very fit to store photos.

The strong decoding capability of this player can decode and play the files with the above two formats. During the course of playing, an operation menu will display and the details are as follows:

```
00:00  00:00               ●1
004/369
  \PIC\                    ●2
  ..
  Du000                    ●3
  Du001                    ●4
  Du002                    ●5
                           ●6
```
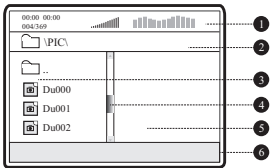
❶ Status Window
Display the current status information.

❷ Directory Window
Display the current path.

❸ File Window
Display the file in the current path.

❹ Scroll bar Window
Indicate the position of the current file.

❺ Information Window
Display The Information Of The Current Operation.

❻ Information window.
Displays the current operating prompts.

The displayed status information on the status window:

```
  ●1   ●2  ●3  ●4
00:57   03:31   128   [▶]
002/073 ||||||        |||||||||
  ●5        ●6        ●7
```
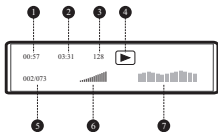
❶Playback time of the current MP3
❷ Total time of the current Mp3
❸ The audio bit rate of the current MP3 (Generally the bit rate is 128Kbps, and sometimes it is VBR)
❹ Current playback mode indicator
❺ Track indicator
❻ Volume indicator
❼ Dynamic frequency spectrum indicator

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1. Playing MPEG4 File

When you insert a MPEG4 disc, the TV screen displays the operation menu as shown in Figure A. (The displayed contents vary with the disc.)

A:
```
00:00 00:00    ▣
    Du000
    Du001
    Du002
    Du003
```
B:
```
00:00 00:00    ▣
001/349
\Du000\
    ..
    MP000
    MP001
    MP002
```
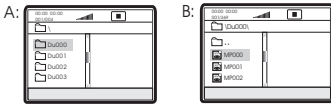
● Press UP/DOWN arrows to select the desired directory. Press SELECT for verification. For example, you select the directory DU000 in Figure A and press SELECT as shown in Figure B. The window returns back to the previous directory when you select [⌐..] in the first line or press LEFT arrow.

● Press UP/DOWN arrows in Figure B to select the desired MPEG4 file. Press SELECT for verification. This player starts playing MPEG4 files.

2. MP3 file Playback

When you load the disc of Mp3 file into the unit, it will search the disc information and display the operation menu as in the following illustration. The operation steps are the same with those of MPEG4.

```
00:00 00:00    ▣
001/349
\Du000\
    ..
    CD000
    CD001
    CD002
```
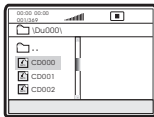
3. Playing JPEG File

When you insert a disc with JPEG files, the TV screen displays the operation menu as shown in the figure. The operating means are the same as operating MPEG4 files except that the preview image will appear in the preview window when selecting a JPEG file.

```
00:00 00:00
000/349
\
    ..
    Du000
    Du001
    Du002
Resolution   640×480
```
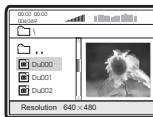
4. Plays a disc with both MP3 and JPEG files

If a disc is composed of both MP3 and JPEG files, you can enjoy both of them simultaneously. First you can play MP3 songs by following preceding instructions; then you can enter the directory with JPEG files and view images by following preceding instructions.

■ **OTHER BASIC OPERATING MEANS**

1. Press the PREV or NEXT button to skip to last or next page in the stop mode.
2. Press ANGLE to toggle the file playback mode and the directory playback mode.

■ **JPEG FILES AND FUNCTIONS**

1. Press the SUBTITLE button to switch different JPEG display modes when playing JPEG files. There are 16 optional modes available.
2. When playing JPEG files, press the ZOOM button to start zooming in/out function. Press the ZOOM button again to stop zooming in/out function.
3. When the zooming in/out function is open, press the FWD button to magnify the picture. It can magnify the frame twice at most as the original one. Press the REV button to minify the picture. It can minify the frame half at most as the original one.
4. When playing JPEG files, Press the STOPbutton to stop preview playback function. Atthe same time, all JPEG files are displayed on the TV screen. One frame can display up to 12pictures. The rest pictures are shown on the next frame. Press the NEXT button to enter thenext frame. Press the PREV button to enter the previous frame. You can also press theNUMBER buttons or DIRECTION arrow to select the desired picture. Press the SELECT button to confirm.
5. Press the MENU button to exit preview playback the preview playback mode.
6. Press the DIRECTION arrow to rotate a picture when playing JPEG files.
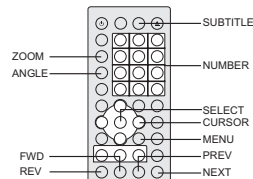
Headphone Enjoying

DVD   SVCD   VCD   MPEG4   Mp3

1. If you want to use headphone to enjoy all by yourself, adjust the master volume to the minimum firstly, then insert the headphone plug into the headphone jack of this player and adjust the master volume until suitable.

NOTE

1. When the button is invalid, the TV screen displays:

● Press the effective button again.

FUNCTION SETUP

Function Setup

1. Press SETUP button, The TV set screen displays:

```
———— General Setup Page ————

TV Display          Normal/LB
OSD Lang            English
Screen Saver        On
LED Control         On
```
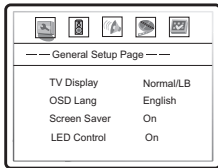
2. Press LEFT/RIGHT arrow to select the desired channel to be changed.

For example, if you want to set this player's video, please press LEFT/RIGHT arrows to select VIDEO SETUP PAGE. Press SELECT for verification. The video setup page displays on the screen.

```
—— Video Setup Page ——

Sharpness          Low
Brightness         00
Contrast           00
Hue                00
Saturation         00
Gamma              Off
```
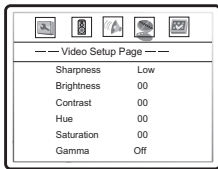
3. Press UP/DOWN arrow to select the desired item you want to set and press SELECT.

For example, press UP/DOWN arrows to select SHARPNESS and press SELECT. The sharpness appears on the screen.

```
—— Video Setup Page ——

Sharpness          High
Brightness         Medium
Contrast           Low
Hue
Saturation
Gamma
```
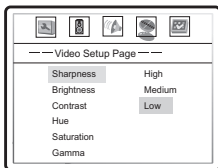
4. Press UP/DOWN arrow to select the desired value. Press SELECT to confirm it.

For example: Press UP/DOWN arrow to select "Medium", then press select, the TV screen display:

```
—— Video Setup Page ——

Sharpness          Medium
Brightness         00
Contrast           00
Hue                00
Saturation         00
Gamma              Off
```
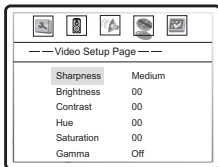
5. Press SETUP to exit the setup menu.

CURSOR — SELECT
SETUP —

General Settings

```
———— General Setup Page ————

TV Display          Normal/LB
OSD Lang            English
Screen Saver        On
LED Control         On
```
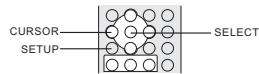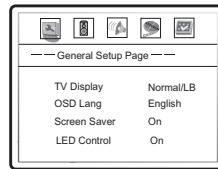
1. TV Display: To set the aspect ratio of this player's output image.

● Optional settings: NORMAL/PS, NORMAL/LB, WIDE.

● Default: NORMAL/LB.

NOTES

● The playing effects are contingent upon the disc's recording aspect ratio. Some discs may not be played according to your selected aspect ratio.

● WIDE is only applicable to the WIDE TV.

● Please select the aspect ration in accordance with that of your TV.

2. **OSD Lang: This item is used to set the prompts language on the screen.**

● Optional settings: English.

● Default: English.

3. Screen Saver: Open or close the screen saver function.

● Optional settings: OFF, ON.

● Default: ON.

4.LED Control:Setup item applied to control On/Off playback LED on the front panel.

● Optional settings: ON,OFF.

● Default: ON

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Speaker Setup

```
┌──────────────────────────────┐
│  [icons]                     │
│  — — Speaker Setup Page — —   │
│  Downmix          Stereo      │
│  Front Speaker    Large       │
│  Center Speaker   Small       │
│  Rear Speaker     Small       │
│  Subwoofer        On          │
│  Channel Delay                │
└──────────────────────────────┘
```
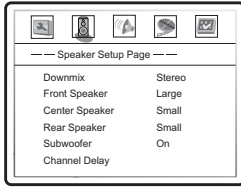
1. Downmix Mode: To set this player's DOWNMIX mode to change multi-channel audio into two channel audio.
- Optional settings: LT/RT, Stereo, V SURR, 5.1CH.
- Default: Stereo.

NOTES

- The 5.1CH mode needs disc's support. The number of actual output channels depends on the played disc.

2. Front Speaker: To set the front speaker's sound filtering control.
- Optional settings: Large, Small.
- Default: Large.

3. Center Speaker: To set the center speaker's sound filtering control.

4. Rear Speaker: To set the surround speaker's sound filtering control.
- Optional Center/Rear Speaker settings: Large, Small, OFF.
- Default setting of Center/Rear speaker: Small.
- Center and Rear are effective only when DOWNMIX MODE is set to 5.1CH.

5. Subwoofer: To open/close the bass speaker.
- Optional settings: ON/OFF.
- Default: ON.

```
┌──────────────────────────────┐
│  [o]      [ ]        [o]       │
│          [o o]                │
│  (o)                          │
│  Sub              0cm          │
│  woofer                        │
│  [o o]     [o o]               │
└──────────────────────────────┘
```
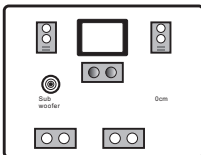
6. Channel Delay: To set delay time of the Center/Surround/Subwoofer Speaker.
A. Press UP/DOWN navigation keys to select the delay setting item. Press the SELECT navigation key to enter the setting box.

B. Press UP/DOWN navigation keys to select the desired item, then press LEFT/RIGHT navigation keys to set the distance between the speaker and listener.
C. After finishing setting, please press SELECT to exit.

NOTE

- The center/surround/subwoofer delay is effective only for the corresponding speakers when the delay is not set to OFF.

Audio Setup

```
┌──────────────────────────────┐
│  [icons]                      │
│  — — Audio Setup Page — —      │
│  EQ Type          None         │
│  Sound Field      Off          │
│  SPDIF Output     Raw          │
│  LPCM Out         48K          │
│  Tone control     00           │
│  PRO Logic II                  │
│  Dolby Digital Setup           │
│  Channel Trim                  │
└──────────────────────────────┘
```
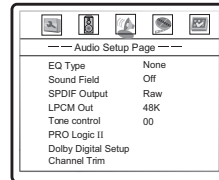
1. EQ type: To set EQ modes.
- Optional settings: None, Rock, Pop, Live, Dance, Techno, Classic, Soft.
- Default: None.

2. Sound Field: To set different sound field effects.
- Optional settings: Off, Concert, Living Room, Hall, Bathroom, Cave, Arena, Church.
- Default: Off.

3. SPDIFO utput: To set the bit stream type of the digital output.
- Optional settings: SPDIF/Raw, SPDIF/PCM.
- Default: SPDIF/Raw.

4. LPCM Out：To set the output frequency of the LPCM audio data to fit for different power amplifiers.
- Optional settings: 48K, 96K.
- Default: 48K.

5. TONE control: This item is used to set the tone level to match your diapason when you are singing.

- Method to adjust tone:

A. Press UP/DOWN cursor button to select TONE item in AUDIO SETUP PAGE, and then press SELECT button to enter the adjust ment menu.

B. Press LEFT/RIGHT cursor button to adjust the setting value.

C. Press SELECT button to return to AUDIO SETUP PAGE after adjustment are well done.

FUNCTION SETUP

6. PRO Logic II: To set 2CH music into the virtual 5CH music which can be played by multi-channel speakers. Press UP/DOWN navigation keys in the AUDIO SETUP PAGE to select PRO Logic II, then press the SELECT navigation key to enter the PRO Logic II SETUP page.

● PRO Logic II is effective only when the DOWNMIX mode is set to 5.1CH and SPDIF is set to RAW.

```
━━━ PRO Logic II Config ━━━

    PRO Logic II      off
    Mode              music
    Panorama          off
    Dimension         00
    Center Width      03
```

A. PRO Logic II: To set PRO Logic II to ON or OFF. If the TITLE does not support this function, we recommend that you set this item to AUTO because it would become worse if the processing effects were added forcibly.

● Optional settings: ON, OFF, AUTO.

● Default: OFF.

B. Mode: To set the modes of PRO Logic II. The music mode means that the sound from all speakers arrives at the same time without delay. The movie mode means that delay of 10ms is added to the surround channel. The PRO LOGIC mode virtualizes PRO LOGIC I (utilizing PRO Logic II). The AUTO mode means a mode is selected automatically according to the disc.

● Optional settings: MUSIC, MOVIE, PRO Logic, AUTO.

● Default: Music.

C. Panorama: To set the panorama mode to ON or OFF. This mode is to extend the front stereo to the two sides in order to achieve excellent surround effects.

● Optional settings: ON, OFF.

● Default: OFF.

D. Dimension: To set the size. It is similar to the balance control of the front and surround speakers which gradually adjust the front and rear sound fields. There are 7 steps to adjust.

● Optional settings: Size-3, Size-2, Size-1, Size0, Size1, Size2, Size3.

● Default: Size0.

E. Central Width: To set the central width. It is to divide the center channel signals to the left and right channels. Therefore, the signals are sent out from the front speakers in different degrees.

● Optional settings: Level0, Level1, Level2,Level3, Level4, Level5, Level6,Level7.

● Default: Level3.

7. Dolby Digital Setup:Pr ess UP/DOWN navigation keys to select DOLBY DIGITAL SETUP, then press the SELECT navigation key to enter the DOLBY DIGITAL SETUP page.

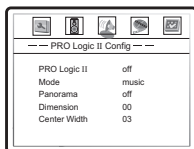**A. Dual Mono: To set the output means of the left or right audio when playing a Dolby disc withse parate two-channel audio**

```
━━━ Dolby Digital Setup ━━━

    Dual Mono         Stereo
    Dynamic
```
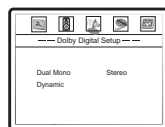
● Optional settings: Stereo, L-Mono,R-Mono, Mix-Mono.

● Default: Stereo.

B. Dynamic Compression: To set the linear compression ratio to get different compression result.

● Optional settings: OFF、1/8、1/4、3/8、1/2、5/8、3/4、7/8、FULL。

● Default: OFF.

8. Channel Trim: To set volume of each individual channel.

A. Press UP/DOWN navigation keys to select CHANNEL TRIM, then press the SELECT navigation key to select ENTER SETUP PAGE as shown in the TV screen:

B. Press LEFT/RIGHT navigation keys to select the desired channel to adjust.

C. Press UP/DOWN navigation keys to raise or lower volume of the channel.

D. Press SELECT to return to the audio setup page.

```
    0.0 DB
```

Video Setup

```
┌─────────────────────────────┐
│  ▨  ▨  ◢  ◩  ☑            │
│ ─ ─ Video Setup Page ─ ─    │
│   Sharpness        Low       │
│   Brightness       00        │
│   Contrast         00        │
│   Hue              00        │
│   Saturation       00        │
│   Gamma            Off       │
└─────────────────────────────┘
```
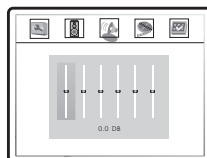
1. Sharpness: Used to set the sharpness of video outputs.

● OPTIONS: High, Medium, Low.

● Default: Low.

2. Brightness: Used to set the brightness of video outputs.

3. Contrast: Used to set the contrast of video outputs.

4. Hue: Used to set the hue of video outputs.

5. Saturation: Used to set the saturation of video outputs.

● Brightness, contrast, hue and saturation adjusting means:

A. Press UP/DOWN arrow in the video setup menu to select the desired item you want to adjust. Press SELECT button to enter the item's adjustment.

B. Press LEFT/RIGHT arrow to adjust the setting value.

C. After finishing adjustment, press SELECT arrow to return to the video setup menu.

6.Gamma emendation:This item is used to setup the Gamma value of video output. Selectable setup values: High, Medium, Low, Off.
Default:Off

Initial Setup

```
┌─────────────────────────────┐
│  ▨  ▨  ◢  ◩  ☑            │
│ ─ ─ Preference Page ─ ─     │
│   TV Type        Ntsc        │
│   PBC            On          │
│   Audio          English     │
│   Subtitle       Off         │
│   Disc Menu      English     │
│   Parental       Off         │
│   Password                   │
│   Default                    │
└─────────────────────────────┘
```
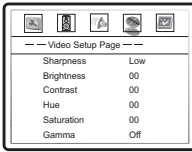
1. TV Type: To set the output video system of this player.

● Optional settings: AUTO,PAL,NTSC.

● Default: NTSC.

2. PBC：To set the PBC status.

● When playing Super VCD or VCD2.0 discs, if the PBC is ON, the menu image displays

on the screen and this player enter the PBC mode; if the PBC is OFF, this player plays the disc by its sequence.

● Optional settings: On, Off.

● Default: On.

3. Audio: To set the preference audio language when playing.

4. Subtitle: To set the preference subtitle language when playing.

● Optional subtitle languages:
English, French, German, Spanish, Italian, Portuguese, Russian, Chinese, Others, Off

● subtitle language default: Off.

5. Disc Menu Language: To set the preference disc menu language when playing.

● Optional audio/disc menu languages:
English, French, German, Spanish, Italian, Portuguese, Russian, Chinese, Others,

● Audio/disc menu language default: English.

NOTES

● Audio/subtitle/disc menu languages are effective to DVD only.

● If the disc does not record your desired language, the player will select the disc-specified languages to play.

● Selecting other languages: Press UP/DOWN ARROW to move the cursor to OTHER item, press SELECT. Press NUMBER buttons to enter your desired language codes, then press SELECT.

6. **Parental : To set the parental control ratings to prevent children from watching the restricted contents. (In case the disc supports this function.)**

● Optional settings: KID , G, PG, PG13, PGR, R, NC17, ADULT, OFF.

● Default: OFF.

NOTE

● When changing the parental control ratings, a password is needed. Refer to the following password item for detailed settings.

7. Password: To set a four digit password to enable you to change the parental control ratings.

● Default: 7890.

```
┌─────────────────────────────┐
│   Old Password    [      ]   │
│   New Password    [      ]   │
│   Confirm PWD     [      ]   │
│                              │
│          [  OK  ]            │
└─────────────────────────────┘
```

8. Default: To restore all settings to the default value except for the parental control and password settings.

OTHERS

Useful Notes

- In order to prolong the service life of your player, it is recommended to wait at least 30 seconds before you turn it on again after switching it off.
- Turn off power after operation.
- Only use the power supply of the nominal voltage, otherwise the player will not be operational or even be damaged.
- Some functions of the player may not be applicable to some discs.
- In case of occasional player halt, please turn it off and turn it on again.
- This player cannot play some SVCD discs with the CVD format.

Troubleshooting

- **Please check for causes of problems in accordance with the following chart before contacting any maintenance personnel.**

Symptom	Cause	Correction
No sound	1. Signal not properly connected 2. Disc warped or dirty. 3. Player in mute status.	1. Connect signal securely. 2. Clean your disc. 3. Press MUTE button again.
No picture	1. Signal not properly connected. 2. TV not set for proper system. 3. Interlacing/Progressive mode of Player and TV not correspond.	1. Connect signal securely. 2. Reset the AV/TV status of your TV set. 3. Refer to Interlacing/Progressive output mode in page 13.
No colour	1. TV system not right. 2. TV set colour not properly adjusted.	1. Press P/N button on the remote to set. 2. Readjust colour of your TV set.
No disc reading	1. Disc warped or dirty. 2. Disc not properly loaded. 3. Condensation on laser head.	1. Clean your disc. 2. Reload a disc with label side facing up. 3. Power on, unload disc and leave it for 1 hour.
Remote control Failure	1. Remote control not pointing to the Sensor window. 2. Operating distance of remote control more than 3 metres away from TV set. 3. Batteries low.	1. Use the remote control properly and Refer to page 5 for details. 2. Replace the battery.
Temporary function failure	1. Mal-fabricated disc used. 2. Wrong buttons pressed. 3. Static leakage into the player from outside.	1. Wait for 5~10 seconds to return to 2. Operate once more. 3. Power off for 1~2 minutes to turn it on again.
Picture rolling	1. TV set system not properly adjusted.	1. Readjust TV system.

- **If the above corrections cannot get rid of the troubles or the symptoms are special, please contact with the local service personnel.**

Specifications

Disc Types	DVD AUDIO DVD VIDEO Divx* , MPEG4* Super VCD VCD1.0, 1.1, 2.0 CD-DA Mp3
Output	Analog audio output stereo output, 5.1CH output, headphone output Digital audio output coaxial output, optical output Composite video output Progressive video output Y Pb Pr S-Video output Y, C Component video output Y Cb Cr
Video Characteristics	Video amplitude 1.0Vp-p (75ohm load) Y output amplitude 1.0Vp-p (75ohm load) C output amplitude 0.268Vp-p (75ohm load)
Audio Characteristics	Frequency 20Hz~20KHz (+/- 1dB) Signal-to-noise ratio more than 90dB Total harmonic distortion less than 0.01%
General Specifications	Power supply 120V/60Hz Power consumption 14W Dimensions 270*198*48 (mm)
Operating Temperature	5°C~35°C
Operating Humidity	15~75% (no condensation)

* DivX version is still upgrading continuously and the latest version of this unit is DivX 5.1.
* Some discs labelled with MPEG4 on the market actually are and others, with which are incompatible. Pleases take care when buying discs.
* The design and explanation of this product are subject to change and renovate without notice.
● We cannot ensure all the discs are fluently read because of the disc quality, disc make quality and format difference.
● As for the special make of some discs, some functions can not be realized when playing, which is not the malfunction of the unit.

OTHERS

Terms

◆ **525/60**

A scan system with 525 horizontal lines and 60 interlacing fields (30 frames) per second. Applied by NTSC.

◆ **625/50**

A scan system with 625 horizontal lines and 50 interlacing fields (25 frames). Applied by PAL and SECAM.

◆ **ANALOG**

A level theoretically changes infinitely in time and space. As compared to DIGITAL.

◆ **ANGLE**

A specific view of a scene recoded from a specific angle in DVD-Video. When viewing the specific scenes, different angles can be selected.

◆ **CD**

Abbreviation for Compact Disc. A laser disc storage format developed by Philips and Sony.

◆ **CD-DA**

Abbreviation for Compact Disc Digital Audio. The original music CD format storing audio information as digital PCM data.

◆ **CD-R**

The extension of the CD format. Data can be recorded once by utilizing coloring matter subliming technology.

◆ **CD-ROM**

The extension of the CD-DA format. The computer data is stored in the digital format.

◆ **CHAPTER**

Sections of a picture or a music piece on a DVD that are smaller than titles. A title is composed of several chapters. Each chapter is assigned a chapter number enabling you to locate the chapter you want.

◆ **COMPRESSION**

A process which eliminates redundancy of digital data to reduce the necessary storing or transmitting data size. Lossless compression only eliminates the enough redundancy to make date restore correctly. Lossy compression sacrifices the additional data to achieve a larger compression.

◆ **CONTRAST**

The range between the brightest and the darkest of an image.

◆ **DAC** （**Digital-to-analog converter)**

A circuit converting the digital data (audio or video) to analog data.

◆ **DIGITAL**

Expressed by numerals. For example, a computer utilized a group of discrete numeric values. The analog data can be digitized by sampling.

◆ **Dolby Digital**

An audio encoding system developed by Dolby Laboratories and recognized as the international standards. Dolby Digital is the most common system of the DVD-Video encoding audio and the normalized audio compression system of 525/60 (NTSC) CD.

◆ **DOWNMIX**

Changing multi-channel audio to dual channel stereo audio by utilizing Dolby Surround processing.

◆ **DVD**

Abbreviation of Digital Video Disc or Digital Versatile Disc. An audio/video/data storage system based on 12cm and 8 cm disc.

◆ **DVD-R**

A DVD version. Data can be recorded once by utilizing coloring matter subliming technology.

◆ **HUE**

The color of ray or pixel. The color characteristics are depending on the ray's main elements' wavelength.

◆ **INTERLACE**

A scan system. In scanning, the technique of using more than one vertical scan to reproduce a complete image. In television, 2:1 interlace is used, giving two vertical scans (fields) per frame; one field scans odd lines, and one field scans the even lines of the frame.

◆ **ISO 9660**

An international standard for the file system used in CD-ROM.

◆ **Macrovision**

A recording protection technology. It alters the signals. The playback looks normal in most TVs. However, when the recorded materials are played back, pictures look very distorted and invisible. Macrovision utilizes the characteristics of the AGC circuit and VCR color synchronous decoding circuit to interfere recording.

◆ **MPEG** （**Moving Pictures Expert Group)**

An international committee who established a series of compression stands of MPEG audio and video.

◆ **MULTIANGLE**

Various angles for the scene (viewpoints of the video camera) are recorded on some DVDs.

◆ **MULTILANGUAGE**

Several languages for the audio track or subtitles in a picture are recorded on some DVDs.

◆ **SATURATION**

The color's intensity or brightness.

◆ **SIGNAL-TO-NOISE RATIO**

Ratio of pure signals to irrelevant noise like tape noise or video interference. It is measured by dB. The analog recordings always have noise. The digital recordings have no noise provided that data are filtered at the front end without compression.

◆ **SURROUND SOUND**

There are speakers in front of and behind audiences to create a multi-line audio system composed of surround simulation and directional audio source sound fields.

◆ **TITLE**

The longest section of a picture or a music piece on a DVD; a movie, etc., for a picture piece on video software; or an album, etc., for a music piece on audio software. Each title is assigned a title number enabling you to locate the title you want.

◆ **TRACK**

Sections of a picture or a music piece on a CD or VIDEO CD. Each track is assigned a track number enabling you to locate the track you want.

OTHERS

Language Code List

Code	Language Name
6565	Afar
6566	Abkhazian
6570	Afrikaans
6577	Ameharic
6582	Arabic
6583	Assamese
6588	Aymara
6590	Azerbaijani
6665	Bashkir
6669	Byelorussian
6671	Bulgarian
6672	Bihari
6678	Bengali;Bangla
6679	Tibetan
6682	Breton
6765	Catalan
6779	Corsican
6783	Czech
6789	Welsh
6865	Danish
6869	German
6890	Bhutani
6976	Greek
6978	English
6979	Esperanto
6983	Spanish
6984	Estonian
6985	Basque
7065	Persian
7073	Finnish
7074	Fiji
7079	Faroese
7082	French
7089	Frisian
7165	Irish
7168	Scots Gaelic
7176	Galician
7178	Guarani
7185	Gujarati
7265	Hausa
7273	Hindi
7282	Croatian

Code	Language Name
7285	Hungarian
7289	Armenian
7365	Interlingua
7378	Indonesian
7383	Icelandic
7384	Iitalian
7387	Hebrew
7465	Japanese
7473	Yiddish
7487	Javanese
7565	Georgian
7575	Kazakh
7576	Greenlandic
7577	Cambodian
7578	Kannada
7579	Korean
7583	Kashmiri
7585	Kurdish
7589	Kirghiz
7665	Latin
7678	Lingala
7679	Laothian
7684	Lithuanian
7686	Latvian,Lettish
7771	Malagasy
7773	Maori
7775	Macedonian
7776	Malayalam
7778	Mongolian
7779	Moldavian
7782	Marathi
7783	Malay
7784	Maltese
7789	Burmese
7865	Nauru
7869	Nepali
7876	Dutch
7879	Norwegian
7982	Oriya
8065	Panjabi
8076	Polish
8083	Pashto,Pushto

Code	Language Name
8084	Portuguese
8185	Quechua
8277	Rhaeto-Romance
8279	Romanian
8285	Russian
8365	Sanskrit
8368	Sindhi
8372	Serbo-Croatian
8373	Singhalese
8375	Slovak
8376	Slovenian
8377	Samoan
8378	Shona
8379	Somali
8381	Albanian
8382	Serbian
8385	Sundanese
8386	Swedish
8387	Swahili
8465	Tamil
8469	Telugu
8471	Tajik
8472	Thai
8473	Tigrinya
8475	Turkmen
8476	Tagalog
8479	Tonga
8482	Turkish
8484	Tatar
8487	Twi
8575	Ukrainian
8582	Urdu
8590	Uzbek
8673	Vietnamese
8679	Volapuk
8779	Wolof
8872	Xhosa
8979	Yoruba
9072	Chinese
9085	Zulu